

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	39283	crosstalk	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:03
L2	152	inductance adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:03
L3	182	capacitance adj matrix	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:04
L4	264968	diagonal\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:04
L5	1072	self-inductance and (mutual adj inductance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:05
L6	7405	total adj capacitance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:06
L7	17	2 and 4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:06
L8	6	3 and 4 and 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:06

L9	2	7 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:06
L10	0	1 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:09
L11	1	1 and 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:07
L12	1	1 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:08
L13	81976	wir\$3 near bond\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:10
L14	597695	package	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:10
L15	32575	13 and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:10
L16	530	crosstalk near5 (high adj frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:11

L17	0	15 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:11
L18	0	15 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:11
L19	0	16 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:11
L20	0	16 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:12
L21	998	15 and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:12
L22	1	21 and 2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:14
L23	1373	(716/5).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/28 10:15

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((crosstalk or noise) and bond\$3 and wir\$3 and equivalent and resistance and capacitance and inductance and (inductance adj matrix) and (capacitance adj matrix) and diagonal\$2 and self-inductance and mutual\$2).clm.	US-PGPUB; USPAT	OR	ON	2005/07/28 10:18



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

calculating inductance inductance matrix calcul



[Advanced Search](#)
[Preferences](#)

Web

Tip: Try removing quotes from your search to get more results.

Your search - **calculating inductance inductance matrix calculating capacitance capacitance matrix calculating crosstalk bond wire package "calculating crosstalk based on inductance matrix and capacitance matrix"** - did not match any documents.

Suggestions:

- Make sure all words are spelled correctly.
- Try different keywords.
- Try more general keywords.
- Try fewer keywords.

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google



[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

calculating inductance inductance matrix calcul

Search

[Advanced Search](#)
[Preferences](#)

Web

Tip: Try removing quotes from your search to get more results.

Your search - **calculating inductance inductance matrix calculating capacitance capacitance matrix calculating crosstalk bond wire package "calculating crosstalk based on calculated inductance and calculated capacitance using inductance matrix and capacitance matrix"** - did not match any documents.

Suggestions:

- Make sure all words are spelled correctly.
- Try different keywords.
- Try more general keywords.
- Try fewer keywords.

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2005 Google



Welcome United States Patent and Trademark Office

☐ Advanced Search**BROWSE****SEARCH****IEEE XPLORE GUIDE****SUPPORT****OPTION 1**

Enter keywords or phrases, select fields, and select operators

<input type="text"/>	in All Fields	
AND <input type="checkbox"/>	<input type="text"/>	in All Fields
AND <input type="checkbox"/>	<input type="text"/>	in All Fields

OPTION 2

Enter keywords, phrases, or a Boolean expression

<input type="text" value="crosstalk and inductance matrix and capacitance matrix"/>	
---	--

» Note: You may use the search operators <and> or <or> without the start and end brackets <>.

» Learn more about [Field Codes](#), [Search Examples](#), and [Search Operators](#)

» Publications

☒ Select publications

- ☒ IEEE Periodicals
- ☒ IEE Periodicals
- ☒ IEEE Conference Proceedings
- ☒ IEE Conference Proceedings
- ☒ IEEE Standards

» Other Resources (Available for Purchase)

- ☒ IEEE Books

» Select date range

- ☐ Search latest content update (25 Jul 2005)
- ☒ From year
- to

» Display Format

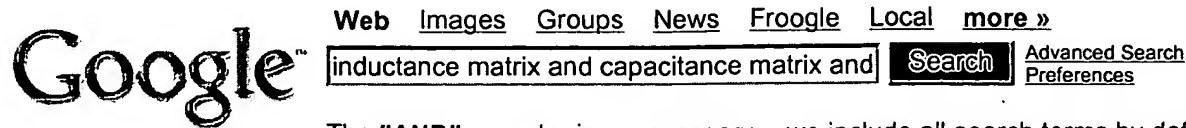
- ☒ Citation
- ☐ Citation & Abstract

» Organize results

- Maximum
- Display results per page
- Sort by
- In order

[Help](#) [Contact Us](#) [Privacy & Security](#) [IEEE.org](#)

© Copyright 2005 IEEE – All Rights Reserved



The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

Web Results 1 - 10 of about 113 for inductance matrix and capacitance matrix and noise and mutual inductance and self-inc

Tip: Save time by hitting the return key instead of clicking on "search"

[PDF] f FULL-CHIP POWER-SUPPLY NOISE: THE EFFECT OF ON-CHIP POWER-RAIL ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

Thus, each of Metals 6 and 4 is represented by an **inductance matrix** ... This is true even in the **wire-bonded** case where the **package inductance** is high. ...

www.ece.ubc.ca/~pulfrey/paper_submit.pdf - [Similar pages](#)

[PDF] Paper: Tools for Inductance Extraction of On-Chip Interconnect

File Format: PDF/Adobe Acrobat - [View as HTML](#)

inductances in a **matrix** representation, and also ... to an effective **inductance** between PCB pins and the chip **bond-wire** contacts. This makes it ...

www.oea.com/document/Tools_Inductance.pdf - [Similar pages](#)

[PDF] OEA International

File Format: PDF/Adobe Acrobat

self-inductance of the return-path and the **mutual** coupling. between the two. ...

and **mutual** inductances in a **matrix** representation, and also ...

www.eecad.com/site/brochure_download.php?file_dir=AppNotes&file_name=br-oea_2002_09_02.pdf - [Similar pages](#)

[PDF] ELECTROMAGNETIC MODELING OF PACKAGING LAYOUT IN POWER ELECTRONIC ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

The **inductance matrix** consists of **self-inductance** of each element as well as the

... **Self-inductance**. Comment. 1. **Wirebond** for IGBT. Emitter. 8.63nH. **Mutual** ...

scholar.lib.vt.edu/theses/available/etd-121399-153938/unrestricted/Siddabattula_ETD.pdf - [Similar pages](#)

[PDF] Analysis and Reduction of On-Chip Inductance Effects in Power ...

File Format: PDF/Adobe Acrobat

that consists of resistance, **self inductance**, **mutual. inductance** to other wires,

... reduce the size of this **inductance matrix**. In our analysis, ...

doi.ieeecomputersociety.org/10.1109/ISQED.2004.1283663 - [Similar pages](#)

[PDF] Author Guidelines for 8

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... added to model explicit decoupling **capacitance** structures ... block-diagonal sparsification

of the **inductance matrix** [9]. In ... drop induced by the on-chip **inductance**. ...

blaauw.eecs.umich.edu/getFile.php?id=175&sid=453dcf4b8e0fa091601bb792d8d59e1a - Supplemental Result - [Similar pages](#)

[PDF] Electrical Analysis of IC Packaging With Emphasis on Different ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)

components that make up the **package** including the **wirebond**, ... **mutual inductance**

and **capacitance** between **wire bonds**. The. equivalent circuit for the gold ...

www.ansoft.com/news/articles/ECTC_Ansoft1.pdf - [Similar pages](#)

[PDF] All package characterization.qxd

File Format: PDF/Adobe Acrobat - [View as HTML](#)

the diagonal term in the **capacitance matrix** as it is ... value of the **package**

lead **self-inductance** is 4.4 nH. and **mutual inductance** remains 0.7 nH. ...

www.tdasystems.com/library/appnotes/pkglm0301.pdf - [Similar pages](#)

[PDF] Ball Grid Array Performance Characteristics; A User's Design Guide

File Format: PDF/Adobe Acrobat - [View as HTML](#)